BRUHAT BANGALORE MAHANAGARA PALIKE

KODIGEHALLI SUBDIVISION

WARD NO.07, Byatarayanapura

MEASUREMENTS

Name of work: Improvements to drains of vayunandhan layout cross roads in kempapura in ward No.07 Byatarayanapura .

Est Cost : 25.00 LAKHS

BRUHAT BANGALORE MAHANAGARA PALIKE

KODIGEHALLI SUB DIVISION- WARD 7 BYATARAYANAPURA

Agency **Sri.Prakash Naik.H**

Name of work:- Improvements to drains of vayunandhan layout cross roads in kempapura in ward No.07 Byatarayanapura

Estimated Cost:- 25.00 Lakhs

Sl NO	Description of work	No	L	B	D	QTY		
1	Removing and resetting of Footpath slabs.							
	Vayunandhan Layout main road RHS							
	Kempapura main road to 1st cross	1	10.00	0.75		7.50		
	1st cross to 3rd cross	1	10.00	0.75		7.50		
	3rd cross to 5th cross	1	20.00	0.75		15.00		
	5th cross to G ramaih layout-1st cross	1	20.00	0.75		15.00		
	Nethajinagara 1st main							
		2	20.00	0.90		36.00		
		2	18.00	0.90		32.40		
		2	15.00	0.90		27.00		
		2	15.00	0.90		27.00		
		2	10.00	0.90		18.00		
		2	15.00	0.90		27.00		
	1st main - 2nd cross							
		2	30.00	0.90		54.00		
					Sqm	**266.4**		
3	Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications							
	Vayunandhan Layout main road RHS							
	Kempapura main road to 1st cross	1	20.00	0.55	0.60	6.60		
	1st cross to 3rd cross	1	25.00	0.55	0.60	8.25		
	3rd cross to 5th cross	1	40.00	0.55	0.60	13.20		
	5th cross to G ramaih layout-1st cross	1	40.00	0.55	0.60	13.20		
	culverts	3	6.00	0.55	0.60	5.94		

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Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
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	Nethajinagara 1st main							
		2	30.00	0.55	0.60	19.80		
		2	30.00	0.55	0.60	19.80		
		2	30.00	0.55	0.60	19.80		
		2	30.00	0.55	0.60	19.80		
		2	30.00	0.55	0.60	19.80		
		2	15.00	0.55	0.60	9.90		
	1st main - 2nd cross							
		2	30.00	0.55	0.60	19.80		
	kempapura main road							
		3	30.00	0.70	0.80	50.40		
		1	10.00	0.70	0.80	5.60		
	over burden earth	1	15.00	1.20	0.45	8.10		
		1	10.00	0.65	0.80	5.20		
		1	15.00	0.75	0.95	10.69		
		1	15.00	1.00	0.95	14.25		
		1	10.00	1.00	0.75	7.50		
					cum	277.63		
4	Earthwork in surface excavation by in rodinary soil forlevelling and lowering the ground manually (other than foundation of buildings,culverts, road drains and trenches of pipe line and cables) and removing the exacavted stuff to a distance not exceeding 50m and lift upto 1.5m excaavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatle dressed as per specifications							
	Amruthanagar A sector							
	4th cross	8	30.00	0.65	0.45	70.20		
		2	10.00	0.65	0.45	5.85		
	4th A cross	2	30.00	0.65	0.45	17.55		
		2	30.00	0.65	0.45	17.55		
	4th B cross	2	30.00	0.65	0.45	17.55		
		2	30.00	0.60	0.45	16.20		
	4th C cross	2	30.00	0.60	0.45	16.20		
		2	30.00	0.60	0.45	16.20		
	3rd A cross	2	35.00	0.60	0.45	18.90		
						196.20		
					Qty ltd to cum	**194.22**		

5	Providing granite slabs of selcted quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc., complete do 7.5cms							
	Amruthanagar A sector							
	4th cross	2	30.00	1.65		99.00		
		2	30.00	1.65		99.00		
		2	30.00	1.65		99.00		
		2	30.00	1.65		99.00		
	3rd A cross	2	32.00	1.65		105.60		
					Sqm	**501.60**		
2	Removing and reseting of kerb stones							
	Vayunandhan Layout main road RHS							
	Kempapura main road to 1st cross	20				20.00		
	1st cross to 3rd cross	25				25.00		
	3rd cross to 5th cross	35				35.00		
	5th cross to G ramaih layout-1st cross	32				32.00		
					Nos.	**112.00**		
6	Providing granite slabs of selcted quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc., complete do 10cms							
	infront of houses covering slabs							
	Amruthanagar A sector							
	4th cross	8	30.00	0.90		216.00		
		2	10.00	0.90		18.00		
	4th A cross	2	30.00	0.90		54.00		
		2	30.00	0.90		54.00		
	4th B cross	2	30.00	0.90		54.00		
		2	30.00	0.90		54.00		
	4th C cross	2	30.00	0.90		54.00		
		2	30.00	0.90		54.00		
	3rd A cross	1	35.00	0.90		31.50		
	Drain- 4th A cross	2	60.00	1.65		198.00		
	4th B cross	2	60.00	1.65		198.00		
	4th Cross	1	60.00	1.65		99.00		
						1084.50		
	deduction for culvert portions	4	6.5	0.9	(-)	23.40		
					Sqm	**1061.10**		

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

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Yelahanka Zone, B.B.M.P.
Bangalore.

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Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

7	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.460 cum with superplastizers @ 3lts confirming to IS 9103-1999 RE affirmed - 2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, stair case lintels, retaining walls return walls, walls(anythickness) including attached plasters columns piers abutments pillars posts struts butresses string or lacing courses parapets copings, bed blocks , plain windows cills fillets etc., including cost of all materials labour HOM of machinery curing complete as per specifications.							
	Vayunandhan Layout main road RHS							
	Kempapura main road to 1st cross	1	20.00	0.55	0.08	0.83		
	1st cross to 3rd cross	1	25.00	0.55	0.08	1.03		
	3rd cross to 5th cross	1	40.00	0.55	0.08	1.65		
	5th cross to G ramaih layout-1st cross	1	40.00	0.55	0.08	1.65		
	culvert portions	3	6.00	0.55	0.08	0.74		
	Vayunandhan Layout main road RHS							
	Kempapura main road to	2	20.00	0.15	0.25	1.50		
	1st cross to 3rd cross	2	25.00	0.15	0.25	1.88		
	3rd cross to 5th cross	2	40.00	0.15	0.25	3.00		
	5th cross to G ramaih layout-1st cross	2	40.00	0.15	0.25	3.00		
	Nethajinagara 1st main (2x2)	4	30.00	0.15	0.10	1.80		
		4	30.00	0.15	0.10	1.80		
		4	30.00	0.15	0.10	1.80		
		4	30.00	0.15	0.10	1.80		
		4	30.00	0.15	0.10	1.80		
		4	15.00	0.15	0.10	0.90		
	1st main - 2nd cross	4	30.00	0.15	0.10	1.80		
					cum	**26.97**		

Assistant Executive Engineer
Kadugodi Sub Division,
Varthanka Zone, B.B.M.P.
Bangalore

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8	Providing and fixing 10cms thick pre cast RCC covering slab using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed concrette laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing complete as per specfications							
	Vayunandhan Layout main road RHS							
	Kempapura main road to 1st cross		15.00	0.75	0.60	6.75		
	1st cross to 3rd cross		10.00	0.75	0.60	4.50		
	3rd cross to 5th cross		25.00	0.75	0.60	11.25		
	5th cross to G ramaih layout-1st cross		20.00	0.75	0.60	9.00		
	Nethajinagara 1st main		235.00	0.75	0.60	105.75		
	1st main - 2nd cross		90.00	0.75	0.60	40.50		
					Sqm	177.75		
9	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 of size 450x200x400 mm and finished with CM 1:3 plastering and finishing cutting etc							
	Vayunandhan Layout main road RHS							
	Kempapura main road to 1st cross		5			5		
	1st cross to 3rd cross		6			6		
	3rd cross to 5th cross		7			7		
	5th cross to G ramaih layout-1st cross		5			5		
	Nethajinagara 1st main		5			5		
					Nos	28		
10	Painting two coats after filling the surface with synathetic enamel paint in aprroved shades on new plastered concrete surfaces, with materials, labour complete a sper spefications.							
	Vayunandhan Layout main road RHS							
	Kempapura main road to 1st cross	1	20.00		0.35	7		
	1st cross to 3rd cross	1	25.00		0.35	8.75		
	3rd cross to 5th cross	1	40.00		0.35	14		
	5th cross to G ramaih layout-1st cross	1	40.00		0.35	14		
					Sqm	43.75		

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
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11	Laying Reinforced cement concrete pipe NP2 / prestressed concrete pipe for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets complete as per specifications.							
		8	1.5			12.00		
				Sqm		**12.00**		
12	Providing 100mm and down size nominal size.							
		8	0.28		0.6	1.34		
				Sqm		**1.34**		
13	Providing40mm and down size nominal size.							
		8	0.28		0.4	0.90		
				Sqm		**0.90**		
14	Providing 20mm and down size nominal size.							
		8	0.28		0.4	0.90		
				Sqm		**0.90**		
15	Providing Fine aggrgate 2.36mm nominal size							
		8	0.28		0.3	0.67		
				Sqm		**0.67**		

Assistant Executive Engineer,
Kodigehalli Sub Division,
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Bangalore.

6	Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter Item no. 03							
				cum		277.63		

Assistant Engineer
Ward No.07 24/9.

Assistant Executive Engineer
Kodigehalli Sub division

Executive Engineer
Byatarayanapura Division

Assistant Executive Engineer
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P
Bangalore.